

What is claimed is:

- 1- A wall mounted aquarium, comprising a structural material frame and a glass aquarium mounted within said structural metal frame,
said structural metal frame having a front side and a rear side, and comprising
a pair of vertical “U” shaped channel members,
a horizontal “U” shaped channel member,
said pair of vertical “U” shaped channel members and said
horizontal “U” shaped channel members being bonded together to
form a “U” shaped frame unit, a pair of vertically positioned upper
planar members, each of said vertically positioned upper planar
members having a pair of horizontally elongated side and a pair of
vertical sides, each planar member having each vertical side
bonded to a “U” shaped channel member,
said glass aquarium having five sides and an open top end, one of said sides being
a front side, one of said sides being a bottom side, one of said sides being a rear
side and two of said sides being ends,
each of said planar members being spaced apart a distance sufficient for
the aquarium to be positioned between said pair of upper planar members.
- 2- The wall mounted aquarium of claim 1, wherein said structural material is metal,
and further comprising a second set of three channel members,

each of said three channel members being bonded to one of said pair of vertical “U” shaped channel member and said horizontal “U” shaped channel member.

in combination with an upper planar member forming a picture frame and situated to overly said face side of said aquarium.

3- The wall mounted aquarium of claim 2, wherein said pair of vertical “U” shaped channel members and said horizontal “U” shaped channel member opening inwardly and at least one of said second set of three channel members open outwardly.

4- The wall-mounted aquarium of claim 3, further comprising a decorative frame member, said decorative frame member being fixed to said structural metal frame member.

5- The wall mounted aquarium of claim 4, wherein said decorative frame member has a plurality of elongated grooves, each of said elongated grooves being dimensioned and positioned to receive one flange element.

6- The wall mounted aquarium of claim 1, wherein components of said structural material frame are metal welded together to form a unitary structure.

7- The wall mounted aquarium of claim 1, further comprising a pair of horizontally positioned “U” shaped decorative panel receiving members, said decorative panel receiving members being fixed to said structural frame rear side,

said “U” shaped decorative panel receiving members having the open ends of the “U”s facing each other and positioned and dimensioned to receiving a decorative panel member,

and a decorative panel member removably positioned within said U shaped decorative panel receiving members.

8- The wall-mounted aquarium of claim 1, further comprising at least one of an air pump and a filter pump mounted in one of said “U” shaped channel members.

9- The wall mounted aquarium of claim 8, and further comprising at least a pair of hinged door members mounted relative to at least two of said “U” shaped channel members to form enclosed chambers.

10- The wall mounted aquarium of claim 7, wherein said pair of “U” shaped decorative panel receiving members are welded to said structural material frame thereby rigidifying said frame.

11- The wall mounted aquarium of claim 1, further comprising a plurality of spacer elements positioned between said pair of planar members and fixing said planar members at a pre-determined separation distance.

12- The wall mounted aquarium of claim 11, wherein each of said spacer elements have a first end affixed to the rear side of said structural metal frame and a second end affixed to the front side of said structural metal frame, at a position proximate the open top end of said glass aquarium, whereby the open end of said aquarium is protected against flexure forces.

13- The wall mounted aquarium of claim 1, wherein said aquarium has an inside width dimensions of between 3.5 and 4.5 inches, by at least two feet, by at least three feet and said aquarium has a capacity of at least about 20 gallons.

14- The wall mounted aquarium of claim 13, wherein said aquarium has a capacity of at least about 30 gallons and said aquarium has a length of at least six feet.

15- A wall mounted aquarium, comprising a glass aquarium and a rectangular structural metal frame dimensioned for mounting said glass aquarium within said structural metal frame, said aquarium having a weight in excess of several hundreds pounds when filled with water,

said structural metal frame having a front side and a rear side, and comprising;

at least a pair of vertical channel members,

a horizontal channel member,

said pair of vertical channel members and said horizontal channel members being

bonded together to form a “U” shaped frame unit,

a pair of upper vertical plane members,

each of said vertical plane members having a pair of horizontally elongated sides
and a pair of vertical ends, and

each planar member having each vertical end bonded to a channel member.

16- The wall mounted aquarium of claim 15, further comprising a plurality of spacer members positioned between said pair of vertical plane members, and fixed to said vertical plane members and maintaining said vertical plane members spaced apart by a fixed predetermined distance, thereby rigidifying said vertical plane members against flexure.

17. The wall mounted aquarium of claim 16, wherein each spacer member comprises a threaded rod and a plurality of nuts,

at least a pair of nuts cooperating to maintain said vertical plane members spaced apart by a minimum distance and

a pair of nuts cooperating to maintain said vertical plane members spaced apart at a maximum distance.

18- The wall-mounted aquarium of claim 15, wherein said channel members are “U” shaped.

19- The wall mounted aquarium of claim 15, wherein said at least one of said channel members is a rectangular tube.

20- The wall mounted aquarium of claim 15, further comprising a pair of mounting rails,

each of said mounting rails being “U” shaped members having a pair of legs, an open end and a closed end,

said mounting rails being threadedly connected to a wall and a plurality of threaded rods fixed at one end to one of said mounting rails and affixed with a pair of opposing nuts to said structural metal frame.

21- The wall mounted aquarium of claim 20, wherein said plurality of threaded rods comprise a plurality of spacer members positioned between said pair of vertical plane members, said spacer members being fixed to said vertical plane members and maintaining said vertical plane members spaced apart by a fixed predetermined distance, thereby rigidifying said vertical plane members against flexure.

22 The wall mounted aquarium of claim 21, further comprising at least a first pair of nuts, said first pair of nuts cooperating to maintain said vertical plane members spaced apart by a minimum distance and a second pair of nuts, said second pair of nuts cooperating to maintain said vertical plane members spaced apart at a maximum distance.

22- An aquarium mounted on a wall, comprising

a rectangular structural metal frame dimensioned for mounting a glass aquarium within
said structural metal frame,

a glass aquarium,

said aquarium having a weight in excess of several hundreds pounds when filled
with water,

said structural metal frame having a front side and a rear side, and comprising

at least a pair of vertical channel members,

a horizontal channel member,

said pair of vertical channel members and said horizontal channel
members being bonded together to form a “U” shaped frame unit,

a pair of upper vertical plane members,

each of said vertical plane members having a pair of horizontally
elongated sides and a pair of vertical sides,

each planar member having each vertical side bonded to a channel
member,

a pair of mounting rails, each of said mounting rails being “U” shaped members having

a pair of legs, an open end and a closed end,

said mounting rails being threadedly connected to said wall,

a plurality of threaded rods,

said plurality of threaded rods being fixed at one end to one of said
mounting rails and affixed with two pairs of nuts to said structural metal
frame.

23- The wall mounted aquarium of claim 22, wherein said plurality of threaded rods further comprise;

a plurality of spacer members,

said plurality of spacer members being positioned between said pair of vertical plane members and fixed to said vertical plane members,

thereby maintaining said vertical plane members spaced apart by a fixed predetermined distance and rigidifying said vertical plane members against flexure

at least a first pair of nuts,

said at least a pair of nuts cooperating to maintain said vertical plane members spaced apart by a minimum distance,

and a second pair of nuts,

said second pair of nuts being in a position on said threaded rods to cooperate to maintain said vertical plane members spaced apart at a maximum distance.

24- The wall mounted aquarium of claim 23, wherein said channel members have a pair of leg sections and a base section, in combination having a “U” shaped.

25- The wall mounted aquarium of claim 24, wherein said at least one of said channel members is a rectangular tube.

26- The wall mounted aquarium of claim 25, wherein said at least a plurality of said channel members are rectangular tubes.

27- The wall mounted aquarium of claim 22, further comprising a decorative frame member, said decorative frame member being fixed to said front side of said structural metal frame member.

28- The wall mounted aquarium of claim 22, wherein said aquarium has outside dimensions of between 3.5 and 4.5 inches, by at least two feet, by at least three feet and said aquarium has a capacity of at least 30 gallons.

29- The wall mounted aquarium of claim 28, wherein said aquarium has a capacity of at least 35 gallons and said aquarium has a length of at least six feet.

30- The wall mounted aquarium of claim 27, wherein said decorative frame member has an outer dimension greater than the outside dimension of said structural frame and has a width of at least 6.5 feet.

31- The wall mounted aquarium of claim 3, wherein a pair of said second set of channel members open toward the face of the wall mounted aquarium and one of said second set of channel members opens downwardly.